

===== WPI =====

- TI - Operator authentication system in internet, intranet - compares user input information with information read from IC card and informs server about authentication information result
- AB - JP11184818 NOVELTY - The client system (5) has authentication application object (19) which receives authentication information from user. The input information and information read from IC card (9) are compared to produce authentication result file which is also informed to server (11). DETAILED DESCRIPTION - In an IC card (9), predetermined authentication information is stored and is read by IC card reader (7) which is connected with a client. An INDEPENDENT CLAIM is also included for operator authentication procedure in internet.
- USE - To authenticate client side operator in internet, intranet.
 - ADVANTAGE - Computer operator is confirmed reliably and information access is performed with superior security. In client/server environment, password control for user identification is unnecessary, hence program development is performed easily. DESCRIPTION OF DRAWING(S) - The figure shows block diagram of authentication system. (5) Client system; (7) IC card reader; (9) IC card; (11) Server; (19) Authentication application object.
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===== PAJ =====

- TI - AUTHENTICATION SYSTEM, ITS METHOD AND CLIENT MACHINE FOR THE CERTIFICATION SYSTEM
- AB - PROBLEM TO BE SOLVED: To eliminate the need of password management for user authentication in a server in a server/client environment and to easily develop the program of a certification processing.
- SOLUTION: A WWW server 11 in a server machine 1 generates a random number file 12 and down-loads it in response to an authentication request from a WWW browser 15-1 in a client machine 5. When the browser 15-1 receives the random number file 12, it starts authentication application 19 and sends inputted authentication information to an IC card 9 with random numbers 12. When authentication information 21 is collated with the random numbers, the authenticated result and the random numbers are ciphered and they are transferred to the authentication application 19, an HTML document 18 into which ciphered data is buried is generated and a browser 15-2 transmits it to the WWW server 11 so as to obtain the authenticated result.
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